



1/15

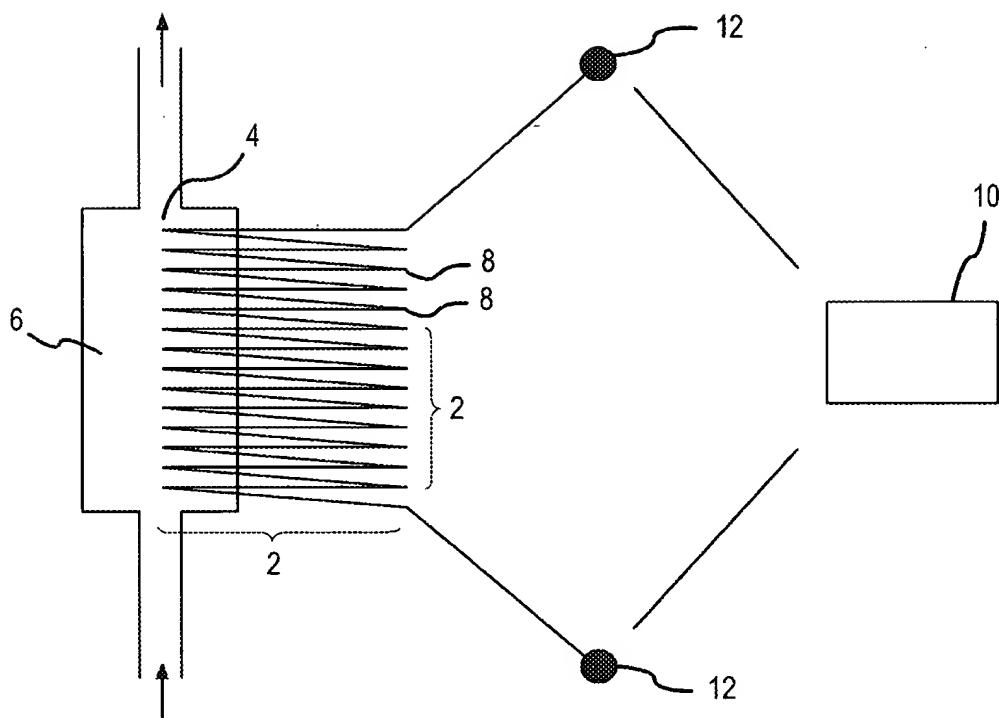


FIG.1



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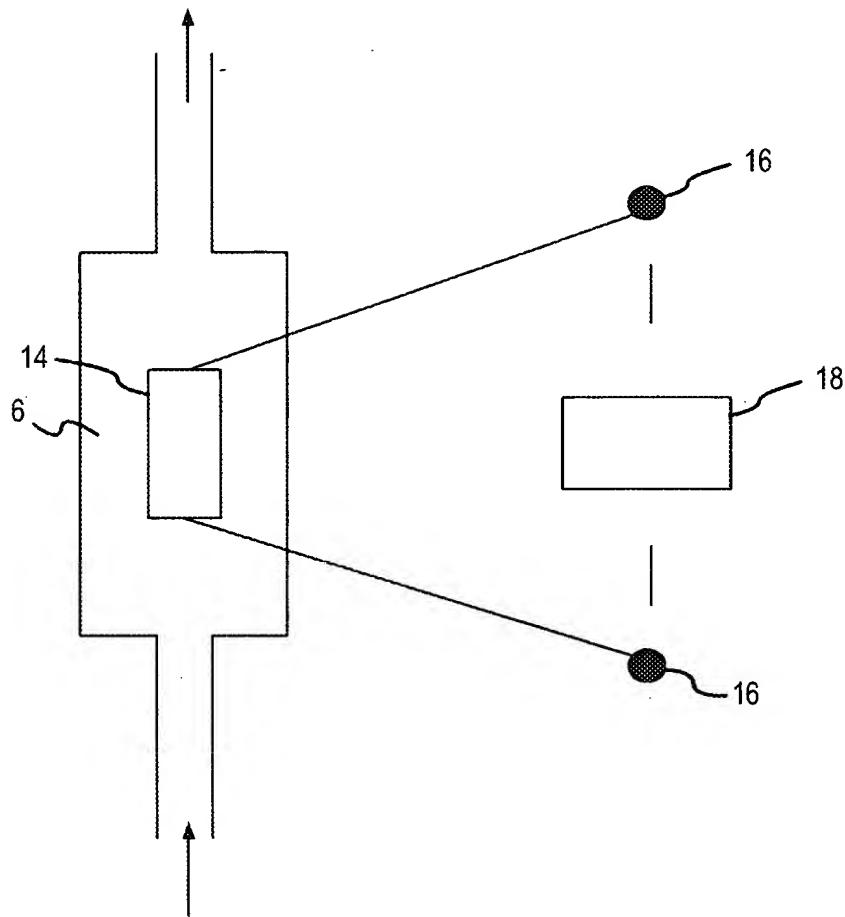


FIG.2



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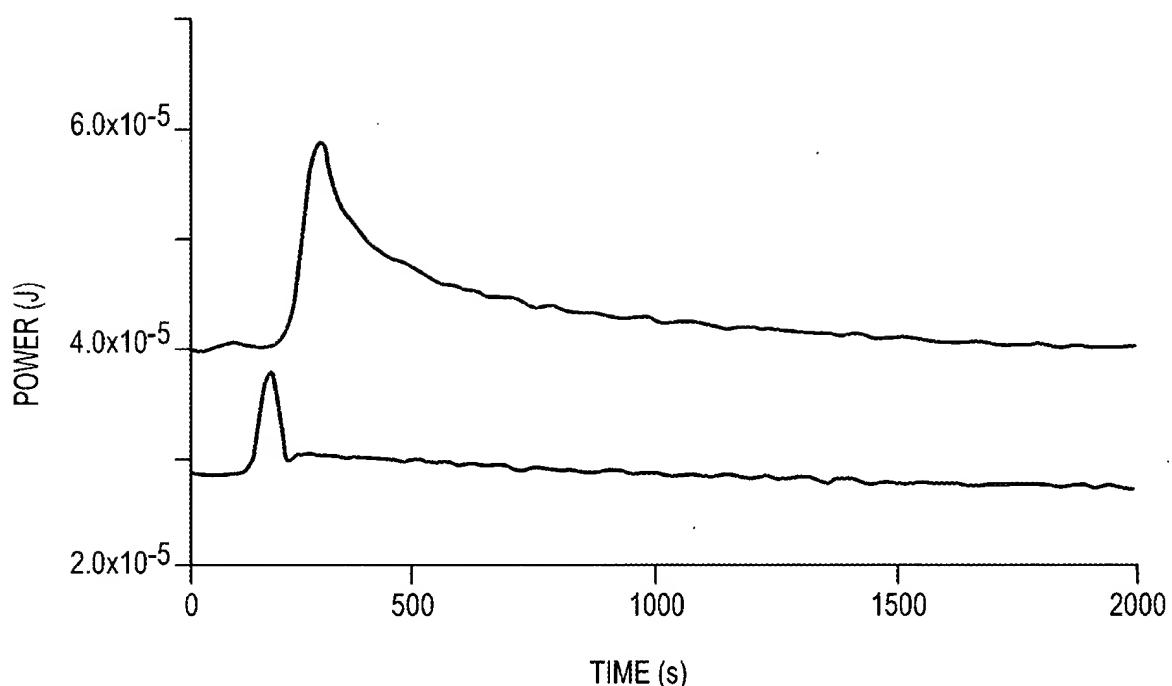


FIG.3



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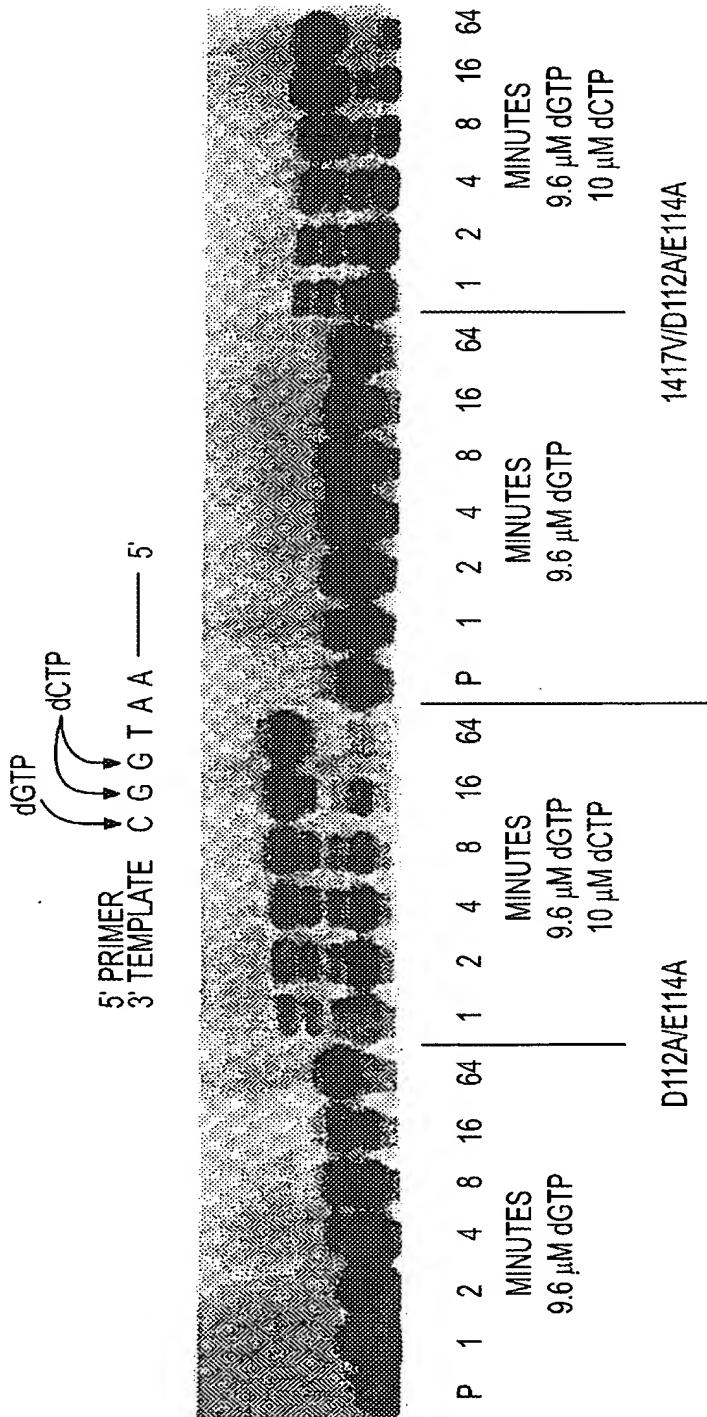


FIG.4



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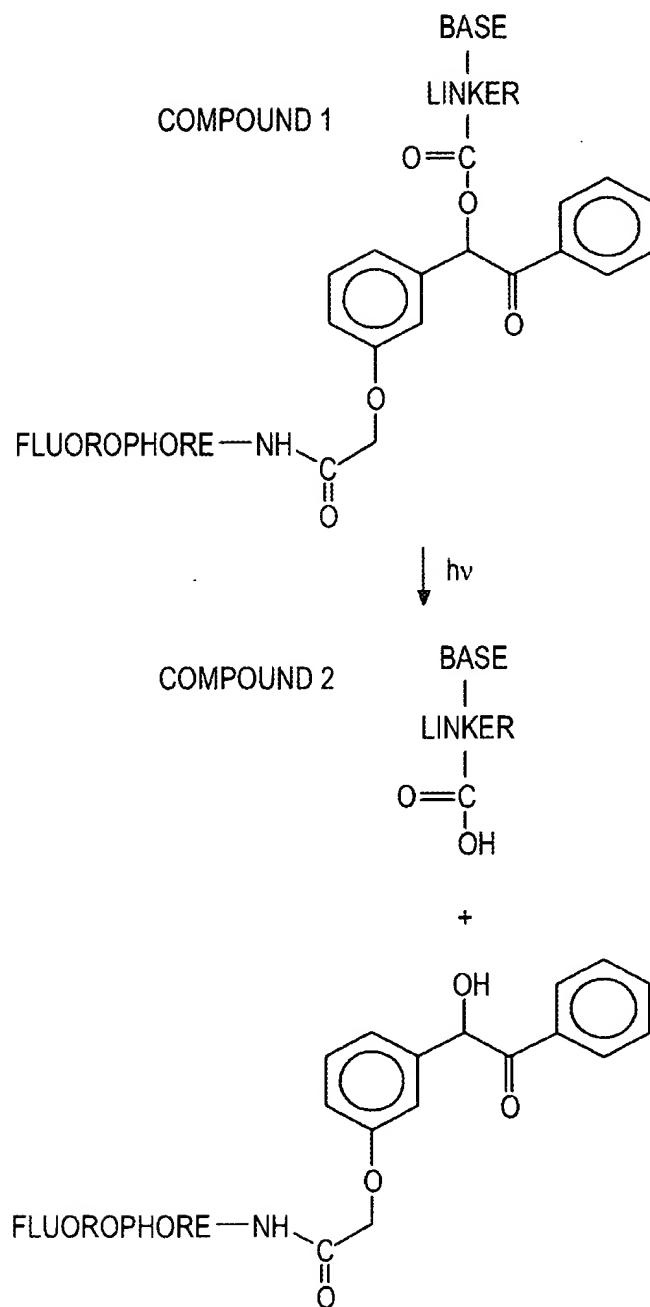
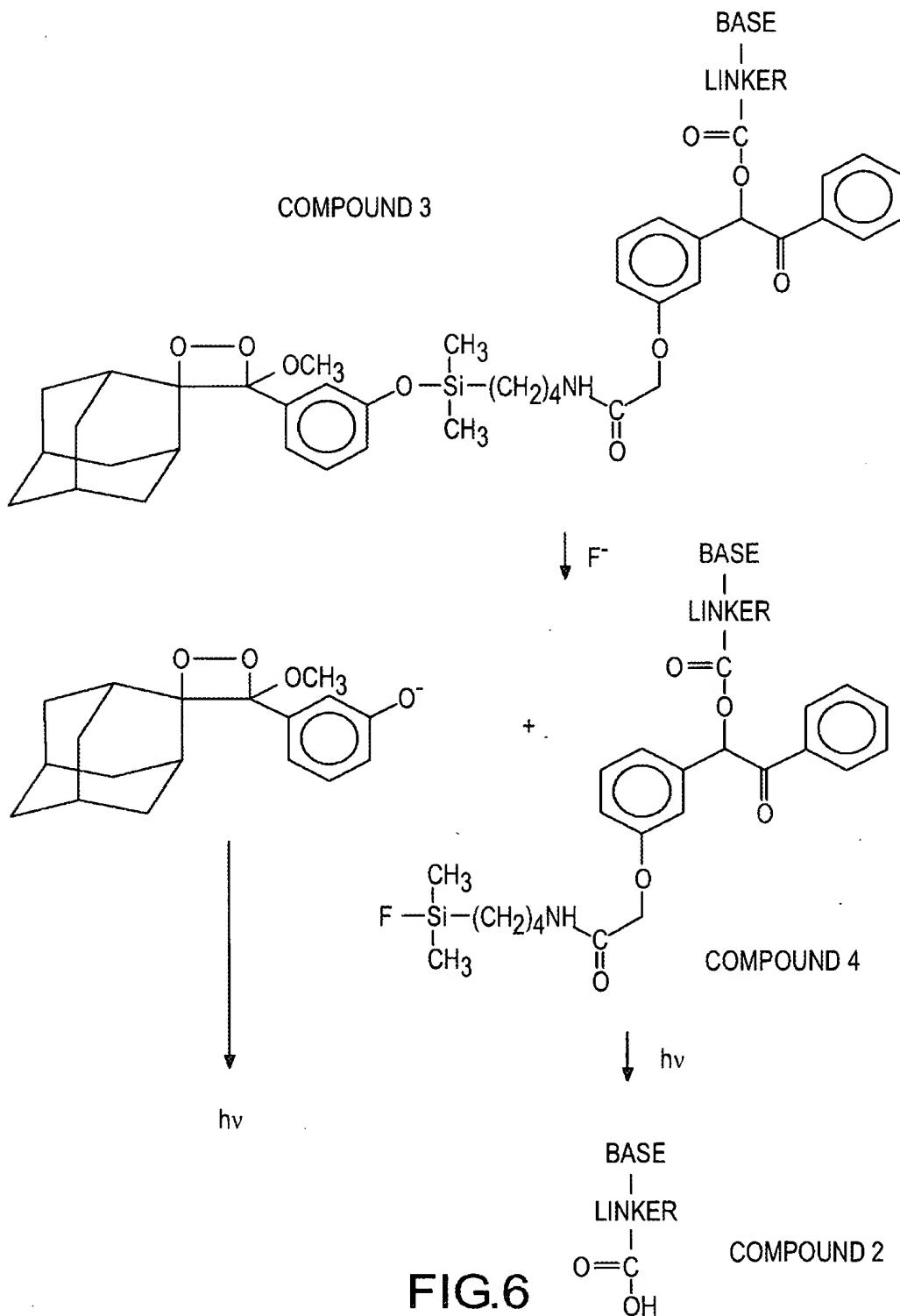


FIG.5



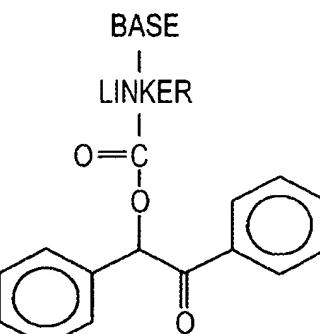
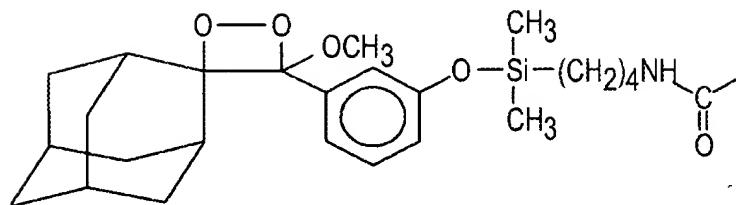
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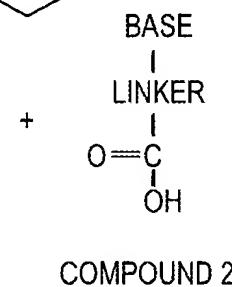
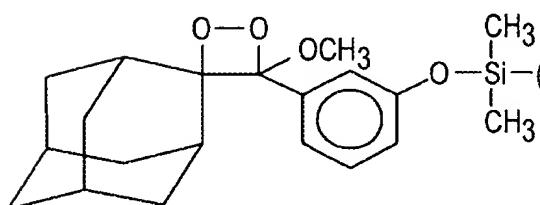
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COMPOUND 3



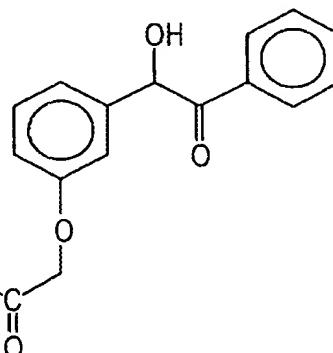
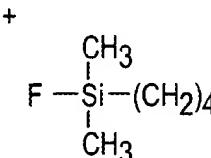
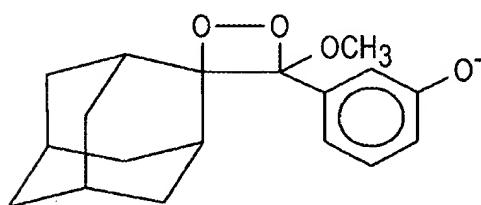
↓ $h\nu$

COMPOUND 5



COMPOUND 2

↓ F^-



↓ $h\nu$

FIG.7



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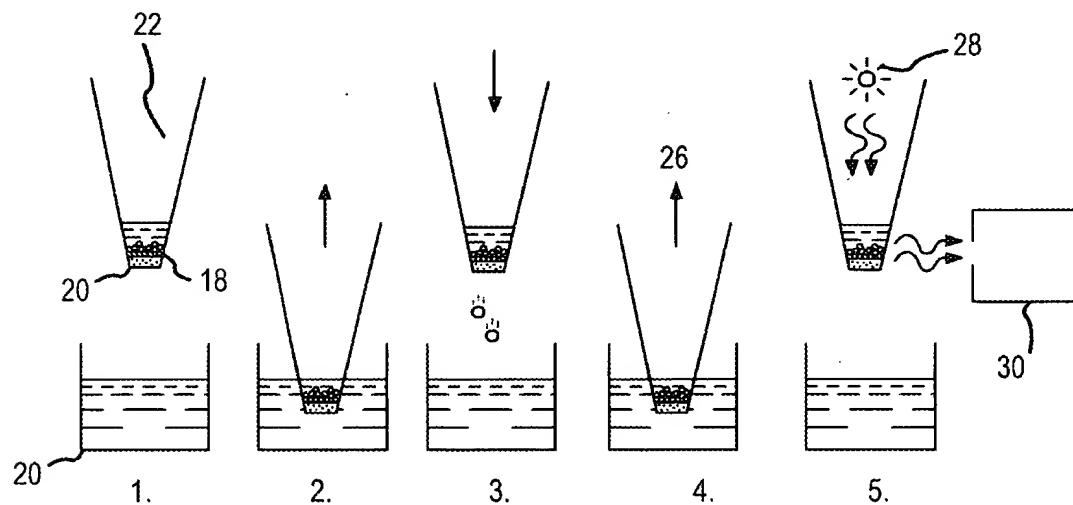


FIG.8(a)

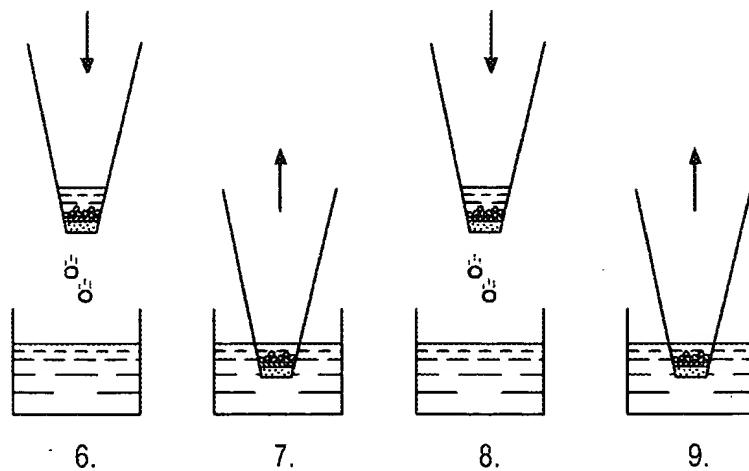


FIG.8(b)



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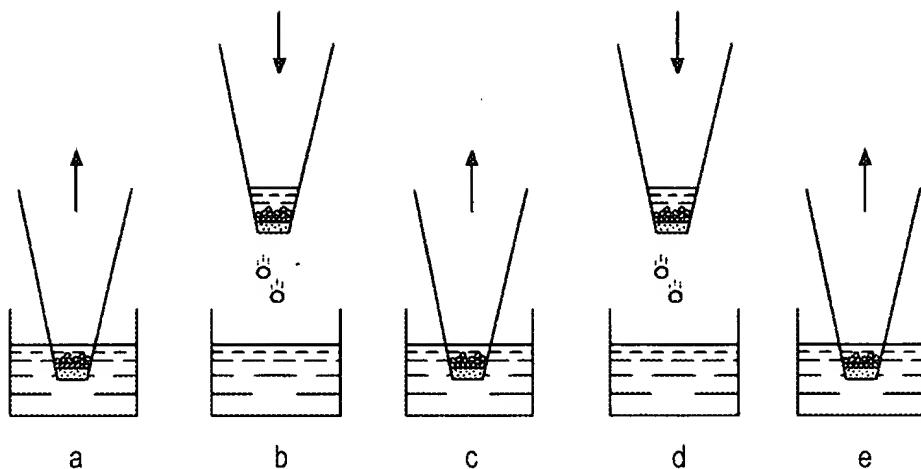


FIG.9



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MECHANISM OF PHOTOBLEACHING OF FLUORESCIN BY DPI
(DIPHENYLIODONIUM ION)

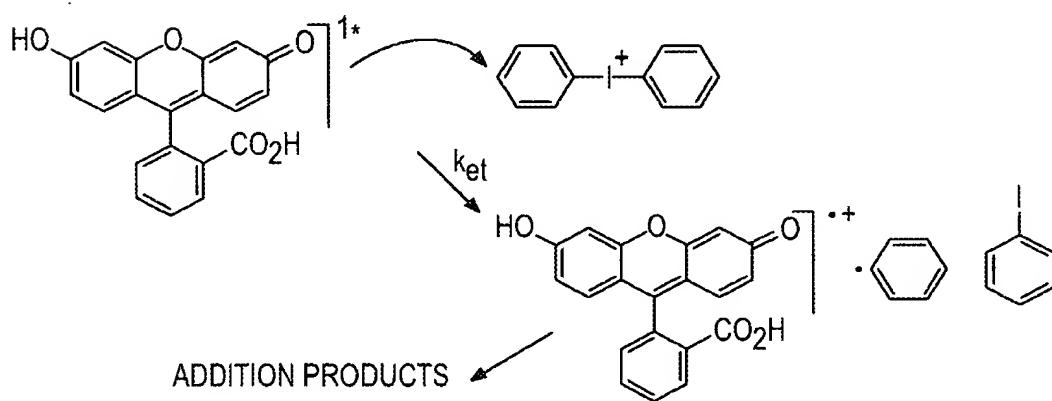
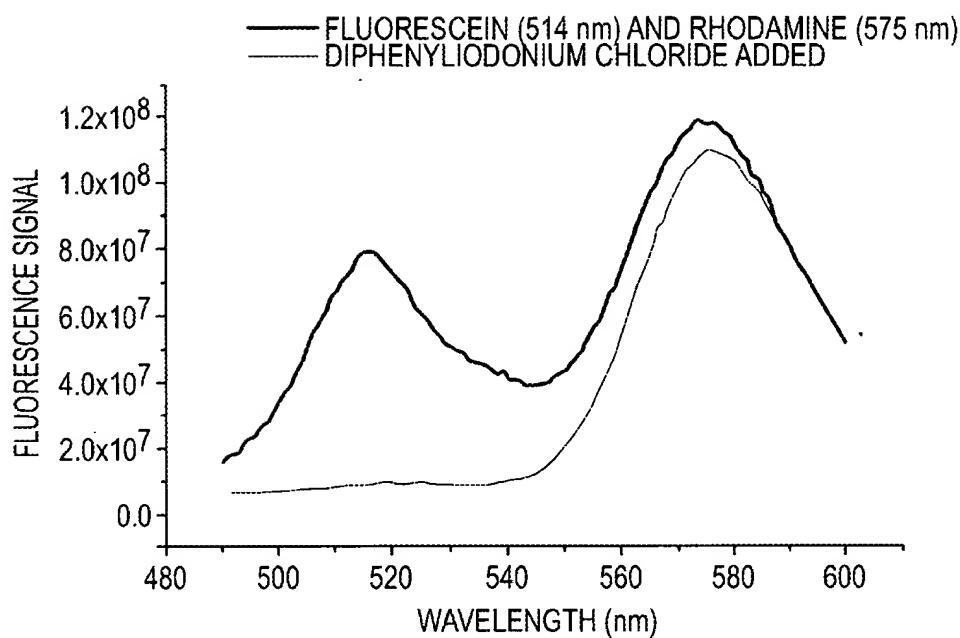


FIG.10



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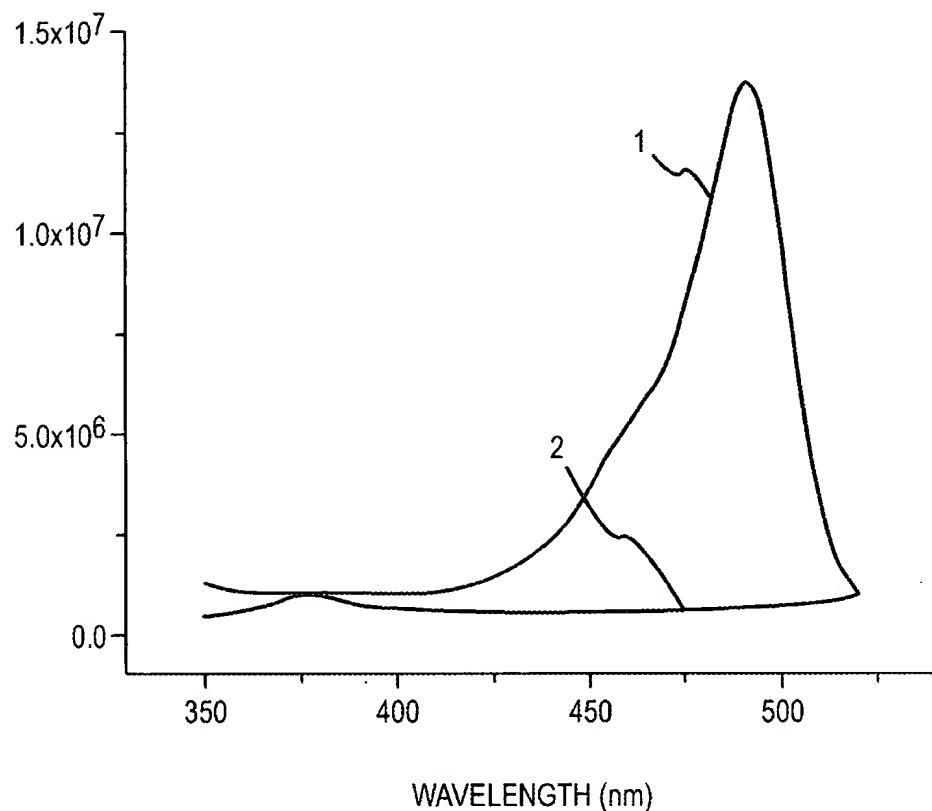


FLUORESCENCE SPECTRA OF EQUIMOLAR FLUORESCIN AND TETRA
METHYLRHODAMINE BEFORE AND AFTER ADDITION OF
DIPHENYLIODONIUM CHLORIDE

FIG.11



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UV ABSORPTION SPECTRA: (1) FLUORESCEIN (2) FLUORESCEIN +
DPI AFTER SINGLE FLASH FROM CAMERA STROBE

FIG.12



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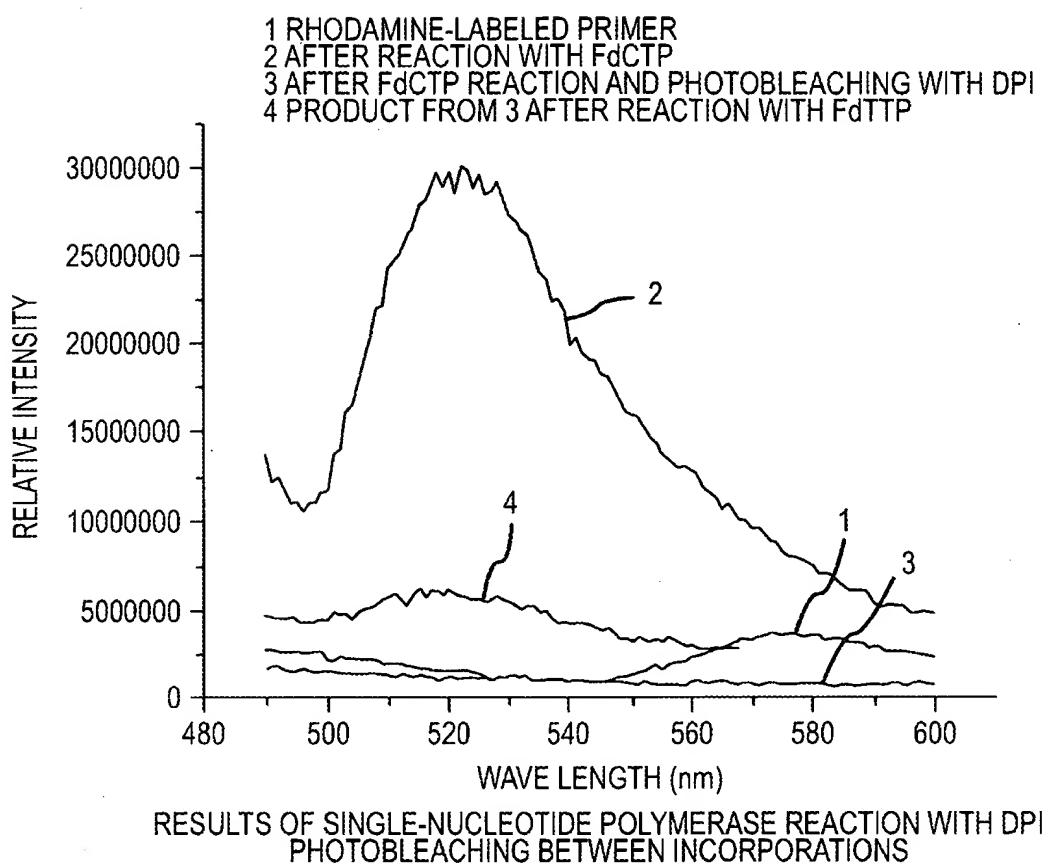


FIG.13



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FIG. 14A

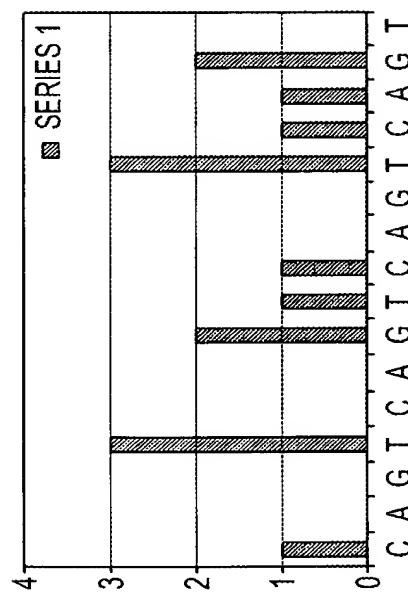


FIG. 14B

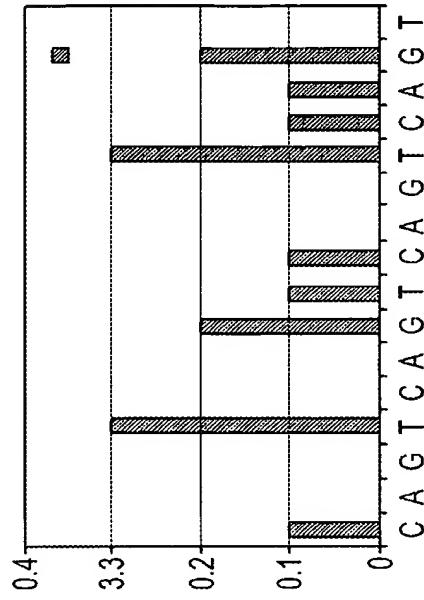


FIG. 14C

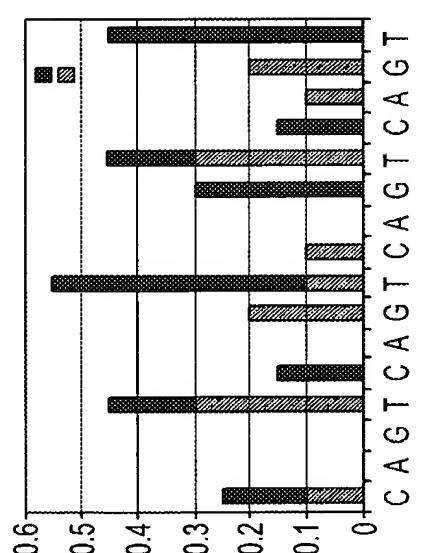
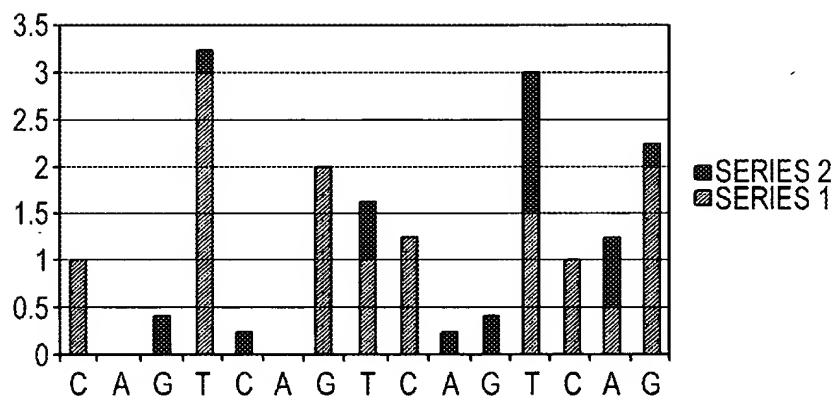


FIG. 14D



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EFFECT OF A LEADING STRAND POPULATION ON
EXTENSION SIGNALS

FIG.15